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Angular Line Displacement Appearing in X-ray inter-
ference Patterns, by F. Lihl, 4 pp.

GERMAN, per, Metallwirtschaft, Vol XXIII, No 31-^e 34,
Aug 1944, p 20.

S.L.A. Tr No 364/1955

Sci - Physics
Jan 1957 CTS/dex

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On the Solubility of Iron and Manganese in
Magnesium and in Magnesium-Aluminium Alloys,
by A. Beerwald.

GERMAN, per, Metallwirtsch, Vol XXIII, 1944,
pp 44-47, 404-407.

TPA3/TIB
T 4412

Sci - Minerals/Metals
CTS 75/Dec 55

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Investigation of Oils, Fats, and Lubricants
by Means of X-Rays, by J. J. Trillat.
GERMAN, per, Metallwirtschaft Metallwissen-
schaft, Metalltechnik, Vol 9, 1930, pp 1023-1028.
SLA TT-66-10062

Sci-Materials
Oct 66

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Hüttig, G. F. THE THEORETICAL BASES OF FRITTING PROC- ESSES IN POWDERS. [Feb 48] 14p. 33 refs. Order from SLA for \$1.80, plus \$1.80 60-18834 Trans. of Metallwirtschaft [Metallwissenschaft, Metalltechnik] (Germany) 1944, v. 23, Oct. p. 367-372	60-18834 1. Powders--Sintering 2. Powder metallurgy 3. Single crystals (Metallurgy)-- Surfaces 4. Title: Fritting 1. Hüttig, G. F.
(Unannounced)	Office of Technical Services

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Information provided in source is not reliable, as it is based on
a report.

U.S.S.R., *Metallwirtschaft*, Vol. 1957, No. 10/11,
1957, pp. 179-182.

A.B.R.E. Harwell
11/3/5/300 02/574

Scientific - Minerals/Metals
CIS/1111

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Solubility of Iron and Manganese in Magnesium
and Magnesium-Aluminum Alloys, by A. Beerwald.
GERMAN, per, Metallwirtschaft, Vol 23, 1944,
pp 404-407. P911083768-V
AEC UGRL-Tr-10158

Sci/Mat
Apr 68

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Deposition of Silver From Solutions of Simple
Silver Salts, by H. Hailing

GERMAN, per, Metallwirtschaft, Vol 8, No 11/12,
1954, pp 438-448

Brutcher No 3580
\$13.75

Scientific - Min/Metals, Chemistry
Feb 56 CTS/dex

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Karl C. Hottel
QUANTITATIVE SPECTRAL ANALYSIS: SPECIAL CASE
OF LIGHTER METALS. [1931] 16p. (6 pgs. omitted)
+ ref.
Order from SLA \$1.60 60-18935

Trans. of Metallwirtschaft [Metallwissenschaft,
Metalltechnik] (Germany) 1937, v. 16, 22 Oct,
p. 1095-1102.

DESCRIPTORS: Spectrographic analysis, Metals.

(Unannounced)

Office of Technical Services

MAINTAINING INDUSTRIAL RESEARCH FOR THE
DEFENSE OF THE UNITED STATES OF AMERICA
IN THE AREA OF
METALLURGY

From: Metallwirtschaft (Metallwirtschaft)
Metallwirtschaft (Germany) 1937, v. 16, no. 10,
p. 11-12, 107

DESCRIPTORS: Industrial research; Quantitative
analysis; Iron alloys; Aluminum; Spectrographic
analysis

(U.S. only)

Office of Technical Services

Fast, J. D.
DUCTILE SHAPING OF ZIRCONIUM AND TITANIUM.
22 Aug 47 [lip] 17refs
Order from SLA \$1.60

TT-63-20970

Trans. of [Metallwirtschaft, Metallwissenschaft, Metal-
ltechnik] (Germany) 1938, v. 17, p. 459-462.

DESCRIPTORS: *Titanium, *Zirconium, Ductility,
Material forming, Mechanical working, Gases,
Solubility,

(Metallurgy--Light Metals, TT, v. 11, no. 5)

TT-63-20970

I. Fast, J. D.

Office of Technical Services

TT-63-20973

Fast, J. D.
EXTRAORDINARILY GREAT SOLUBILITY OF NITRO-
GEN AND OXYGEN IN SOME METALS (STUDIED
WITH REFERENCE TO ZIRCONIUM AND TITANIUM).
27 Aug 47 [9p]

Order from SLA \$1.10

TT-63-20973

Trans. of [Metallwirtschaft, Metallwissenschaft, Metal-
ltechnik] (Germany) 1938, v. 17, p. 641-644.

DESCRIPTORS: *Titanium, *Zirconium, Metals,
*Oxygen, *Nitrogen, Solubility, Crystal structure,
Density.

(Metallurgy. TT, v. 11, no. 5)

I. Fast, J. D.

Office of Technical Services

TT-63-20974

Cornelius, H., Bungardt, W., and Schiedt, E.
SOME OBSERVATIONS ON THE SYSTEM MANGA-
NESE-VANADIUM. [8 Apr 47][9p]
Order from SLA \$1.10

TT-63-20974

I. Cornelius, H.
II. Bungardt, W.
III. Schiedt, E.

Trans. of [Metallwirtschaft, Metallwissenschaft, Metal-
ltechnik] (Germany) 1938, v. 17, p. 977-980.

DESCRIPTORS: *Manganese alloys, *Vanadium alloys,
Hardness, Melting, Crystal structure,

(Metallurgy--Nonferrous Metals, TT, v. 11, no. 5)

Office of Technical Services

Schulze, A.
METALLIC MATERIALS FOR THERMOCOUPLES [I].
[Über Metallische Werkstoffe für Thermoelemente].
[1939] 22p. (Hgs., refs., untrns.).
Order from SLA \$2.50

Trans. of Metallgesellschaft Metallwissenschaft
[Metallgesellschaft (Germany) [1939, v. 18] no. 12,
p. 249-254.

DESCRIPTORS • Thermocouples, Thermoelectricity,
Metals, Temperature, Alloys, Electrodes, Sensitivity,
Recrystallization, Materials.

(Physics--Thermodynamics, IT, v. 9, no. 7)

62-15329

L. Schulze, A.

Office of Technical Services

62-18328

Schulze, A.
METALLIC MATERIALS FOR THERMOCOUPLES. II.
METALLIC MATERIALS FOR THERMOCOUPLES
USING BASE METALS [Über Metallische Werkstoffe
für Thermoelemente. II. Abschnitt. Metallische
Werkstoffe für Thermoelemente aus Unedlen Metallen].
[1962] [29]p. (figs. omitted) 32 refs.
Order from SLA \$2.60

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Trans. of [Metallwirtschaft] Metallwissenschaft
[Metalltechnik] (Germany) 1939, v. 18, no. 13,
p. 274-276.

DESCRIPTORS • Thermocouples, Thermoelectricity,
Metals, Temperature, Electrodes, Thermal conductivity,
Alloys, Oxidation, Materials.

(Physics--Thermodynamics, TT, v. 9, no. 7)

I. Schulze, A.
II. Title: Metallic...

Office of Technical Services

Schulze, A.
METAL[LIC] MATERIALS FOR THERMO[COUPL]S.
III. THERMOELECTRIC CHARACTERIZATION OF
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[1962] 21p. (figs. [refs.] omitted).
Order from SLA \$2.60

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Trans. of [Metallwirtschaft] Metallwissenschaft [Metal-
technik] (Germany) 1939, v. 18, no. 15, p. 315-320.

DESCRIPTORS: *Thermocouples, Thermoelectricity,
Temperature, Metals, Alloys, Electrodes, Materials.

(See also 62-18328)

(Physics--Thermodynamics, TT, v. 9, no. 7)

62-18308

I. Schulze, A.
II. Title: Thermoelectric ...

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Preparation of Metallic Films from the Gas Phase,
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1939, Vol XVIII, No 26, pp 563-567.

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Vol 2, No 12

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Schoeneck, H. and Verleger, H.
THE METHODS OF PREPARING METALLIC SINGLE
CRYSTALS. 3 Nov 50 [27p] 97refs
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Trans. of [Metallwirtschaft, Metallwissenschaft,
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DESCRIPTORS: *Single crystals, *Metallic crystals,
Preparation, *Recrystallization, *Crystallization,
*Crystal growth, Crystal structure.

(Physics--Solid State, TT, v. 10, no. 12)

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I. Schoeneck, H.
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60-18815

Bablik, H. and Götzl, P.
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THE FORMATION OF HARD-ZINC IN THE LEAD-
ZINC GALVANIZING PROCESS. Mar 48, 9p. (2 figs.
omitted) 7 refs.
Order from SLA ml\$1.80, ph\$1.80

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p. 120-122.

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1. Zinc coatings--Production
2. Title: Galvanizing
- I. Bablik, H.
- II. Götzl, P.
- III. Title: Formation...

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Alternating Fatigue Hardness, Conception and Measurement, by W. Späth, 8 pp.

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No 5-6, Mar 1951, pp 96-101.

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Scientific - Minerals/metals

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Recovery of Metallic Zinc From Dross and Skimmings,
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Vol V, No 13/14, 1951, pp 291-292.

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Brutcher Tr 3413

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The Effect of Hydrofluoric, Phosphoric, Chromic
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S.L.A. Tr 1906

Sci - Minerals/Metals
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GERMAN, per, Metallwissenschaft und Technik,
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S.L.A. Tr 1173/1956

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Sci-Phys
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Sep 62

Sup 136

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Sci " Engr

Jun 61

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Order from SLA \$1.60

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Trans. of Metallwissenschaft und Technik [sic] 1959,
v. 13, no. 5, p. 379-385.

DESCRIPTORS: *Transition elements, *Molybdenum,
*Tungsten, Melting, Production, Sintering, *Powder
metallurgy, *Heat resistant alloys, Mechanical
properties

(Metallurgy--Structural, TT, v. 6, no. 3)

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I. Kieffer, R.
II. Benesovsky, F.

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Application of Radioactive Isotopes in Metal-
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Jun 61

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Self-Diffusion in Tungsten, by W. Danneberg
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*CFSTI TT 70-58092

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Apr 70

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No 2, 1960, pp 115-125.

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Sci - Engr. - Min/Met

Nov 62

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Vol 4, No 12

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The Iron-Rich Side of the Iron-Zinc System,
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•BISI 4112

Sci/Met & Mat
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AEC SLAC Tr-61

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CSIRO/No.6949

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On the Appearance of Plate-Like Segregation
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Vol XVI, No 4, 1962, pp 403-407.
BISI 3698

Sci - M/M
Jul 64

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Sci - Mat & Met

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Vol XVII, No 3, 1963, pp 197-201. #0022166
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Sept 66

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Jul 1963, pp 669-677. 9231505
NSTIC tr 1649

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NASA TT F-10,169

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Co-cp Tr Sch Tr 853

Sci - Engr
Apr 58

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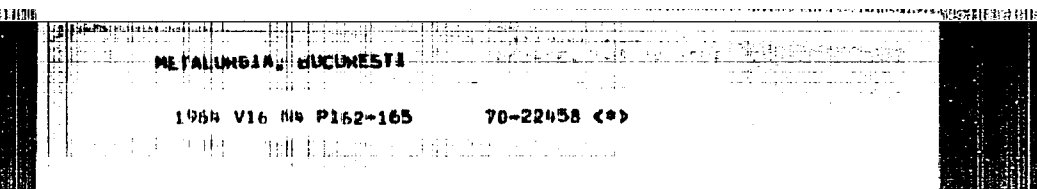
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Segre, Uberto.
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[1963] [32]p. 6 refs.
Order from SLA \$3.60

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Trans. of reprint of *Metano (Petrolio e Nuove Energie)*
(Italy) 1954, v. 8, no. 3, p. 13-25.

DESCRIPTORS: *Ores (Metal sources), *Iron,
Reduction (Chemistry), *Natural gas.

(Metallurgy--Ferrous Metals, TT, v. 10, no. 9)

Office of Technical Services

Gravity and Magnetic Survey of Central and
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FRENCH, per. Metaux, No 401, Jan 1959,
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Sci -
Aug 67

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AEC-ORNL-tr-2246

Sci-Mat
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Order from SLA \$1.10 TT-64-16723

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1934, v. 9, p. 415-417.

(Metallurgy--Light Metals, TT, v. 12, no. 5)

TT-64-16723

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II. Chaudron, G.
III Title: Corrosion...

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Sci - Chem

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Sci - Min/Met
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AEC Tr 2404

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Sci - Minerals/Metals, Chemistry

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Order from SLA \$1.60

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Trans. of [Metals (Corrosion-Industries)] (France)
1949 [v. 24] no. 284, p. 87-117.

DESCRIPTORS: Metals, *Gold, *Silver, *Platinum,
Industrial production, *Corrosion inhibition, Physical
properties, Safety devices, *Electrodeposition,
Electrolysis.

(Metallurgy, TT, v. 10, no. 1)

I. Wise, E. M.

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